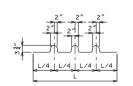


3" (Max. 6" Cts. Panel width SECTION B-B



BENDING DIAGRAM FOR U1 BAR (U1 Bars may be oriented at right angles to location and spacing shown. U1 Bars shall be placed between P1 bars). DETAIL "A



(8) Minimum reinforcement steel length shall be 2'-0".

- (3) Extend S-Bars 18 Inches beyond the front face of end bents only.
- (4) In order to maintain minimum slab thickness, it may be necessary to raise the grade uniformly throughout the structure. No payment will be made for additional labor or materials required for necessary grade adjustment.
- (5) Any strand 2'-0" or shorter shall have a #4 reinforcing bar on each side of 11. centered between strands. Strands 2'-0" or shorter may then be debonded at the fabricator's option.
- (6) All panel support pads shall be glued to the girder. When support thickness exceeds 1 1/2 inches, the pads shall be glued top and bottom. The glue used shall be the type recommended by the panel support pads monutocturer.
- (7) Use #3-P3 bars if panel is skewed 45° or greater.

DATE

The top surface of all panels shall receive a scored finish with a depth of scoring of  $1/6^{\prime\prime\prime}$  perpendicular to the prestressing strands in the panels.

Prestressing tandons shall be high-tensile strength uncorted seven-wire, low-relication strong storp restressed concrete in accordance with AASHTO M 203 Grade 270. With nominal didenser of strand = 3.8° and nominal area = 0.085 sq. In.and minimum ultimate strength = 22.95 kips (270 ks!). Larger strands may be used with the same spacing and initial tension.

The method and sequence of releasing the strands shall be shown on the shop drawings.

Sultable anchorage devices for liffting panels may be aset in panels, provided the devices are shown on the shop drawings and approved by the engineer. Panel lengths shall be determined by the controtor and shown on the shop drawings.

When square end panels are used at skewed bents, the skewed portion be cast full depth. No separate payment will be made for additional concrete and reinforcing required.

Support from diaphragm forms is required under the optional skewed end until cast-in-place concrete has reached 3.000 psi compressive strength.

Minimum preformed fiber expansion joint material or polystyrene bedding material thickness shall be 1 inch. Thicker material may be used on one or both sides of the girder to reduce cast-in-place concrete thickness, to within tolerances. No more than 2 inches total thickness shall be used.

The same thickness of preformed fiber expansion joint material shall be used under any one edge of any panel except at locations where top flange thickness may be stepped. The maximum change in thickness between adjacent panels shall be 1/4 Inch. The polystyrene bedding material may be cut with a transition to match haunch height above top of flange.

Slob thickness over prestressed papels varies due to dirder

At the contractor's cotion, the variation in slab thickness over prestressed panels may be all minated or reduced by increasing and varying the girder top flange thickness. Dimensions shall be shown on the shop drawings.

Actual lengths are measured along centerline of bar to the nearest inch.

The prestressed panel quantities are not included in the table of estimated quantities for slab.

If U1 bars interfere with placement of slab steel. U1 loops may be bent over, as necessary, to clear slab steel.



DETAILS OF PRECAST PRESTRESSED PANELS

Detailed Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of SPN